

LISTING OF THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously Amended) A method of communicating between a wireless unit and a packet data network, comprising the steps of:

establishing a circuit switched link between said wireless unit and a base station;

sending a setup packet as secondary traffic over the established circuit switched link between said wireless unit and the base station to establish a data session between said wireless unit and said packet data network; and

sending data packets for said data session over a packet switched link between said wireless unit and said packet data network on a wireless resource that has been temporarily allocated in response to a request for a wireless resource to send data packets for said data session.

2-3. (Previously Cancelled)

4. (Previously Presented) The method of claim 1, further comprising:

multiplexing said setup packet with a traffic frame over said circuit switched link.

5. (Previously Presented) The method of claim 4, wherein said step of multiplexing further includes:

multiplexing said setup packet with a voice frame over said circuit switched link.

6. (Previously Presented) The method of claim 5, further comprising:

maintaining said circuit switched link for at least the duration of a voice call on said circuit switched link.

7. (Previously Presented) The method of claim 1, further comprising:

maintaining said circuit switched link for at least the duration of a link layer connection under said data session.

8. (Previously Cancelled)

9. (Previously Presented) The method of claim 1, wherein said step of sending data packets further includes:

using temporary assignments of supplemental channels as said wireless resource for sending said data packets for said data session.

10. (Previously Presented) The method of claim 1, wherein said step of sending data packets further includes:

sending data packets for said data session on a reverse circuit switched link from said wireless unit to a base station.

11. (Previously Presented) The method of claim 1, wherein said step of sending data packets further includes:

sending data packets for said data session on a forward circuit switched link from a base station to said wireless unit.

12. (Previously Presented) The method of claim 1, wherein said step of sending a setup packet further includes:

sending, by said wireless unit, the setup packet over said already established circuit switched link to establish said data session.

13. (Previously Presented) The method of claim 1, wherein said step of sending a setup packet further includes:

sending, by said base station, the setup packet over said already established circuit switched link to establish said data session.

14. (Previously Presented) The method of claim 1, wherein TCP/IP is used as the transport protocol for the packet data network and the setup packet is a TCP setup packet sent as secondary data traffic on one or more voice frames over the already established circuit switched link.

15. (Previously Presented) A method of establishing a data session between a wireless unit and a packet data network, comprising:

establishing a circuit switched link between said wireless unit and a base station; and
sending a setup packet as secondary traffic over the established circuit switched link between said wireless unit and the base station to establish a data session between said wireless unit and said packet data network.

16. (Previously Presented) The method of claim 15, further comprising:

multiplexing said setup packet with a traffic frame over said circuit switched link.

17. (Previously Presented) The method of claim 16, wherein said step of multiplexing further includes:

multiplexing said setup packet with a voice frame over said circuit switched link.

18. (Previously Presented) The method of claim 15, wherein said step of sending a setup packet further includes:

sending, by said wireless unit, the setup packet as secondary traffic over said already established circuit switched link to establish said data session.

19. (Previously Presented) The method of claim 15, wherein said step of sending a setup packet further includes:

sending, by said base station, the setup packet as secondary traffic over said already established circuit switched link to establish said data session between said wireless unit and said packet data network.

20. (Previously Presented) The method of claim 15, wherein TCP/IP is used as the transport protocol for the packet data network and the setup packet is a TCP setup packet sent as secondary data traffic on one or more voice frames over the already established circuit switched link.